Configuration Management

May 19, 1999

- Decentralized organization structure that has "evolved" over the years with many modifications (SECAS, SCLSIS, CDM etc.) Many $ cuts made without evaluating the impact to the process or impact on the fleet
- The CM process has not been "base lined" in over 20 years
- PMS 312 and TYCOMS not satisfied with suspected accuracy of CM database
- A system so complex that it required mapping of the current overall process to define data flow and organizational responsibility

Utilizing Integrated Product and Process Development (IPPD) for Configuration Management

- Embodies IPPD Concept

  *Charter *Metrics   *Empowered to Act

  *Goals   *Cross Functional Teams

- The CMIPT has established IPTs/Working groups to:

  *Develop metrics that monitor the error rate of data submitted to the CDMs (NNSY,PSNSY,NNS). This allows the CDMs to focus on problem areas--assisting all groups to provide "trusted data"

  *Develop the best CM process for CV/CVNs

  *Develop a standard S/F CM training/awareness plan

  *Identify methods to combine resources

Current Initiatives

- CM Process is being developed to address the CVN 68 RCOH and will serve as a prototype. This detailed process reviews each ship system by Expanded Ship Work Breakdown structure (ESWBS) to determine validation requirements.

- Reduction of SCLSIS data fields required for CM.

- Electronic tools have been identified and are being provided to the shipboard Maintenance Support Centers (MSC) to assist in the SCLSIS data flow process. These tools include CDMD-OA access on board as well as palm top computers to enhance the S/F validation process. The CDMD-OA server at NNS is installed, with CVN 75 data replicated and CVN 68 and CVN 69 scheduled.

Overall Goals

- A process free of duplicate efforts (reduced infrastructure), which will reduce overall costs

- SCLSIS data processing system that is fully electronic, which will reduce shipboard workload

- System metrics to determine error rates and schedule adherence, while providing 95% CM data accuracy

- Set of standard guidance documents, endorsed by TYCOM, for the execution of Configuration Management

Time line for the new CM process migration:

- CVN 68   CDMD-OA remote access "view" capability/crew   training 5/99

    Review of process enhancements   12/99

- CVN 69   System software/hardware/Training requirements   in RFP 3/00

- CVN 76   All requirements in place for Pre-Com stand up   8/00

- CVN 77   All requirements in RFP release   3/00

In-service CV/CVN Implementation Schedule:

- CVN 65, CV 67   All requirements in place prior to   next SRA 8/99,8/00

- CVN 74   All requirements in place prior to   next PIA 9/30/99

- All remaining   All requirements in place prior to   ships   next PIA TBD (TYCOM   Endorsement)

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